

Refine Search

Search Results -

Terms	Documents
(dditp or dideoxyinosine)	107

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
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 EPO Abstracts Database
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 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L7

Refine Search

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DATE: Thursday, July 01, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L7</u>	(dditp or dideoxyinosine)	107	<u>L7</u>
<u>L6</u>	(dditp or dideoxyinosine) and electrophor\$8	0	<u>L6</u>
<u>L5</u>	(dditp or dideoxyinosine) and (ditp or deoxyinosine)	5	<u>L5</u>
<u>L4</u>	(dditp or dideoxyinosine) and electrophor\$8	0	<u>L4</u>
<u>L3</u>	(dditp or dideoxyinosine) and (ditp or deoxyinosine) and electrophor\$8	0	<u>L3</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L2</u>	(dditp or dideoxyinosine) and (ditp or deoxyinosine) and electrophor\$8	49	<u>L2</u>
<u>L1</u>	(dditp or dideoxyinosine) and (ditp or deoxyinosine) and electrophor\$8	1	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
((dditp or (dideoxyinosine adj triphosphate)) and ((deoxyinosine adj phosphate) or ditp))	2

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
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Search:

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L6</u>	((dditp or (dideoxyinosine adj triphosphate)) and ((deoxyinosine adj phosphate) or ditp))	2	<u>L6</u>
<u>L5</u>	11 not L3	0	<u>L5</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L4</u>	11 not L3	30	<u>L4</u>
<u>L3</u>	11 not 12	6	<u>L3</u>
<u>L2</u>	11 and electrophor\$8	30	<u>L2</u>
<u>L1</u>	((dditp or (dideoxyinosine adj triphosphate)) and ((deoxyinosine adj phosphate) or ditp))	36	<u>L1</u>

END OF SEARCH HISTORY

=> s (dditp or dideoxyinosine) and (dttp or deoxyinosine) and electrophor?
11 DDITP
713 DIDEOXYINOSINE
2074 DTTP
708 DEOXYINOSINE
252340 ELECTROPHOR?
L1 2 (DDITP OR DIDEOXYINOSINE) AND (DTTP OR DEOXYINOSINE) AND ELECTRO
PHOR?

=> d 11 1 2 bib ab

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:129251 CAPLUS
DN 128:254429
TI Substrate specificity of human recombinant mitochondrial deoxyguanosine
kinase with cytostatic and antiviral purine and pyrimidine analogs
AU Sjoberg, Anita Herrstrom; Wang, Liya; Eriksson, Staffan
CS Department of Veterinary Medical Chemistry, Biomedical Center, Swedish
University of Agricultural Sciences, Uppsala, Swed.
SO Molecular Pharmacology (1998), 53(2), 270-273
CODEN: MOPMA3; ISSN: 0026-895X
PB Williams & Wilkins
DT Journal
LA English
AB Deoxyguanosine kinase (dGK) is an enzyme responsible for the
phosphorylation of purine deoxynucleosides in mitochondria of mammalian
cells. Its role in activation of pharmacol. used nucleoside analogs is
not well understood, because of the low levels of dGK found in tissue
exts. and its inactivation during purification. The cDNA for dGK was recently
cloned and expressed in Escherichia coli. Here we present an improved
procedure for expression and purification of a highly active form of human
recombinant dGK. The enzyme showed a broad substrate specificity toward
natural purine and pyrimidine deoxynucleosides as well as toward important
nucleoside analogs. The Km and Vmax values for deoxyguanosine,
deoxyinosine, deoxyadenosine, and deoxycytidine were 4, 13, 460,
330 µM and 43, 330, 430 and 60 nmol/min/mg of protein, resp.
Antileukemic purine analogs such as arabinosyl guanine,
2-chloro-2'-deoxyadenosine, 2-chloro-2'-arabino-fluoro-2'-deoxyadenosine,
and 2-fluoro-arabinosyl-adenine were phosphorylated as efficiently by dGK
as the natural nucleoside substrates. This is the first report in which
2-fluoro-arabinosyl-adenine and 2-chloro-2'-arabino-fluoro-2'-deoxy-
adenosine were shown to be good substrates for dGK. The antiviral analogs
dideoxyinosine and arabinosyl adenine also showed significant
activity with dGK, as did several pyrimidine analogs (e.g., the cytostatic
drugs 5-fluoro-2'-deoxycytidine and difluorodeoxycytidine). The broad
specificity of dGK described here may change our understanding of the
mechanisms responsible for the efficacy and mitochondrial toxicity of
several nucleoside analogs.

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:366902 CAPLUS
DN 125:28928
TI The phosphotransferase activity of cytosolic 5'-nucleotidase; a purine
analog phosphorylating enzyme
AU Banditelli, Stefania; Baiocchi, Cristina; Pesi, Rossana; Allegrini,
Simone; Turriani, Maura; Ipata, Piero Luigi; Camici, Marcella; Tozzi,
Maria Grazia
CS Dipartimento Fisiologia Biochimica, Universita Pisa, Pisa, 56100, Italy
SO International Journal of Biochemistry & Cell Biology (1996), 28(6),
711-720

PB Elsevier

DT Journal

LA English

AB Cytosolic 5'-nucleotidase is involved in the phosphorylation of several purine nucleoside analogs, used as antiviral and chemotherapeutic agents. To assess its role in the mechanisms of activation and inactivation of purine prodrugs, it is essential to study the regulation of both hydrolase and phosphotransferase activities of the enzyme. Using a zone capillary **electrophoresis** apparatus, we were able to sep. substrates and products of the reactions catalyzed by cytosolic 5'-nucleotidase. The method overcomes the frequent unavailability of radiolabeled substrates, and allows the influence of possible effectors and/or exptl. conditions on both enzyme activities to be evaluated simultaneously. Results showed that the enzyme was able to phosphorylate several nucleosides and nucleoside analogs with the following efficiency: inosine and 2'-**deoxyinosine** > 2',3'-**dideoxyinosine** > 6-chloropurineriboside > 6-hydroxylaminepurine riboside > 2,6-diaminopurine riboside > adenosine > cytidine > deoxycoformycin > 2'-deoxyadenosine. This is the first report of deoxycoformycin phosphorylation catalyzed by a 5'-nucleotidase purified from eukaryotic cells. The optimum pH for nucleoside monophosphate hydrolysis was 6.5, slightly more acidic than the optimum pH for the transfer of the phosphate, which was 7.2. Finally, the presence of a suitable substrate for the phosphotransferase activity of cytosolic 5'-nucleotidase caused a stimulation of the rate of formation of the nucleoside. The results suggest the requirements for phosphorylation of nucleoside analogs are a purine ring and the presence of an electroneg. group in the 6-position. The stimulation of the rate of nucleoside monophosphate disappearance exerted by the phosphate acceptor suggests that the hydrolysis of the phosphoenzyme intermediate is the rate-limiting step of the process.

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FILE 'CAPLUS' ENTERED AT 13:36:28 ON 01 JUL 2004

L1	380 S BAND# (2A) COMPRESS?
L2	11 S DDITP
L3	0 S L1 AND L2
L4	713 S DIDEOXYINOSINE
L5	0 S L1 AND L4
L6	9 S DIDEOXYINOSINE (W) TRIPHOSPHATE

=>

Day : Thursday

Date: 7/1/2004

Time: 15:59:33

**Inventor Name Search Result**

Your Search was:

Last Name = TUSNEEM

First Name = NADEEM

Application#	Patent#	Status	Date Filed	Title	Inventor Name 2
60236179	Not Issued	159	09/29/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	TUSNEEM, NADEEM
09721918	Not Issued	030	11/27/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	TUSNEEM, NADEEM

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
<input type="text" value="tusneem"/>	<input type="text" value="nadeem"/>	<input type="button" value="Search"/>

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Day : Thursday

Date: 7/1/2004

Time: 16:00:10

PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = PRUSS

First Name = DMITRY

Application#	Patent#	Status	Date Filed	Title	Inventor Name 7
60402430	Not Issued	159	08/09/2002	LARGE DELETIONS IN THE HUMAN BRCA1 GENE AND USES THEREOF	PRUSS, DMITRY
60328873	Not Issued	159	10/12/2001	METHOD OF IDENTIFYING LARGE GENOMIC REARRANGEMENTS	PRUSS, DMITRY
60309680	Not Issued	159	08/03/2001	LARGE DELETIONS IN HUMAN BRCA1 GENE AND USE THEREOF	PRUSS, DMITRY
60236179	Not Issued	159	09/29/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	PRUSS, DMITRY
10457839	Not Issued	030	06/09/2003	LARGE DELETIONS IN HUMAN BRCA1 GENE AND USE THEREOF	PRUSS, DMITRY
10272609	Not Issued	030	10/15/2002	METHOD OF IDENTIFYING GENOMIC REARRANGEMENTS	PRUSS, DMITRY
09721918	Not Issued	030	11/27/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	PRUSS, DMITRY

Inventor Search Completed: No Records to Display.

Search Another: Inventor
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First Name

pruss
dmitry
Search

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Day : Thursday

Date: 7/1/2004

Time: 16:00:52

**Inventor Name Search Result**

Your Search was:

Last Name = SHEN

First Name = MIN-JUI

Application#	Patent#	Status	Date Filed	Title	Inventor Name 5
60236179	Not Issued	159	09/29/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	SHEN, MIN-JUI RICHARD
60116133	Not Issued	159	01/15/1999	METHOD FOR CONTROLLING THE DISTRIBUTION OF DNA SEQUENCING TERMINATION PRODUCTS	SHEN , MIN-JUI RICHARD
10177727	Not Issued	030	06/20/2002	MULTIPLEX NUCLEIC ACID REACTIONS	SHEN, MIN-JUI RICHARD
09721918	Not Issued	030	11/27/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	SHEN, MIN-JUI RICHARD
09482565	Not Issued	161	01/14/2000	METHOD FOR CONTROLLING THE DISTRIBUTION OF DNA SEQUENCING TERMINATION PRODUCTS	SHEN, MIN-JUI RICHARD

Inventor Search Completed: No Records to Display.

Search Another: Inventor **Last Name** **First Name**

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Day : Thursday

Date: 7/1/2004

Time: 16:01:43

PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = BHATNAGAR

First Name = SATISH

Application#	Patent#	Status	Date Filed	Title	Inventor Name 9
<u>60236179</u>	Not Issued	159	09/29/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	BHATNAGAR, SATISH K
<u>09721918</u>	Not Issued	030	11/27/2000	METHOD FOR EQUALIZING BAND INTENSITIES ON SEQUENCING GELS	BHATNAGAR, SATISH K.
<u>08891516</u>	<u>6090552</u>	150	07/11/1997	NUCLEIC ACID AMPLIFICATION OLIGONUCLEOTIDES WITH MOLECULAR ENERGY TRANSFER LABELS AND METHODS BASED THEREON	BHATNAGAR , SATISH K.
<u>08837034</u>	<u>6117635</u>	150	04/11/1997	NUCLEIC ACID AMPLIFICATION OLIGONUCLEOTIDES WITH MOLECULAR ENERGY TRANSFER LABELS AND METHODS BASED THEREON	BHATNAGAR , SATISH K.
<u>08778487</u>	<u>5866336</u>	150	01/03/1997	NUCLEIC ACID AMPLIFICATION OLIGONUCLEOTIDES WITH MOLECULAR ENERGY TRANSFER LABELS AND METHODS BASED THEREON	BHATNAGAR , SATISH K.
<u>08683667</u>	Not Issued	168	07/16/1996	METHOD FOR LABELING AND DETECTION OF GENETIC AMPLIFICATION PRODUCTS	BHATNAGAR , SATISH
<u>08472239</u>	<u>5728526</u>	250	06/07/1995	METHOD FOR ANALYZING A NUCLEOTIDE SEQUENCE AND KIT THEREFOR	BHATNAGAR , SATISH K.

08461823	5593840	150	06/05/1995	AMPLIFICATION OF NUCLEIC ACID SEQUENCES	BHATNAGAR , SATISH K.
08010433	Not Issued	161	01/27/1993	METHODS FOR AMPLIFYING NUCLEIC ACID SEQUENCES	BHATNAGAR , SATISH K.

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name	Search
	<input type="text" value="bhatnagar"/>	<input type="text" value="satish"/>	

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